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Interactive Edition
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This is the fiftieth edition of the Periodic Electronic Newsletter (PEN) for MCI Mail users assigned to Oppenheimer Software (MCI Mail agency NY4). You may respond to the PEN by typing ANSWER at the COMMAND; line that appears after you read this. This mailbox (218-0241) is toll free - you may write to it as often as you wish, at no charge! (Please note that you may order a toll-free mail box - contact Oppenheimer Software for more information.)

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>>>>>>>>>>>>>>>>
1-800-I-WANT-MCI
>>>>>>>>>>>>>>>>

A toll free *FAX* number is available for anyone wanting to set up accounts on MCI Mail or anyone needing information about MCI Fax Broadcast or MCI Fax Reply:

1-800-I-WANT-MCI (1-212-787-2416 outside the USA)

The fax should include the name, address, phone and fax numbers of the requester. Typically, the MCI Mail account will be activated the following business morning, and the Fax accounts, within 5 days. To help the new subscriber, a four page fax will be returned with the account information and basic starting instructions.

You can also use the NEWUSER script described below. However, this toll-free fax number can be used by anyone with access to a fax machine.

>>>>>>>>>>>>>>>>>>>>
NEED ANOTHER MAILBOX?
>>>>>>>>>>>>>>>>>>>>

The NEWUSER script has been used by hundreds of people to set their friends, associates and clients up on MCI Mail, add new mailboxes to existing accounts, or to request information on behalf of a colleague.

If you have a friend across town, or in another country who wants to benefit from electronic mail, or if you know of someone who tediously sends faxes out from a fax machine and is looking for a better way, or someone who sends letters and memos by overnight courier and would like to save some money, you can help them by introducing them to MCI Mail.

To use this feature, log into MCI Mail interactively (MCI Mail Express users press {CTRL}J after starting the program). At the Command; prompt, type:

CREATE USING NEWUSER {ENTER}

Answer all questions, and follow the instructions at the end of the SCRIPT. You will be notified when the new mailbox/account is

active.

Note. . . If you access MCI Mail via MCI Mail Express, or a LAN gateway, you may send the name, address and phone and fax number of the referral to mailbox 218-0241, or you may fax this information to 212-787-2416. We will contact them immediately and arrange for the account or mailbox.

Additionally, the *FAX* number 1-800-I-WANT-MCI is available for anyone looking to request information or establish an account for themselves.

>>>>>>>>>>>>>>
Editors Note 1
>>>>>>>>>>>>>>

The PEN Newsletter is now fifty issues, and 10 years old.

When the PEN first started publishing, many people had not yet heard of electronic mail. The typical MCI Mail subscriber was using either a dual floppy PC or an XT clone, a PC jr (remember them?), a single drive Macintosh, Apple][or TRS 100s - the first laptop computer. Most subscribers had 300 or 1200 baud modems, and some used acoustic couplers. The typical communications program was Smartcom or Procomm or Crosstalk, run on a machine that may have had two 360K floppy drives. There were only a few online services, none of them communicating with each other (except for MCI Mail and Compuserve!)

Today, MCI Mail is accessed world wide from palmtop computers using cellular modems the size of credit cards, powerful desktop systems with megabytes of RAM, LAN and WAN based systems, mini and mainframe computers, at speeds up to 14,400 baud. MCI Mail subscribers can communicate with electronic mail users worldwide and can reach nearly every telex, fax or postal address on the planet.

I expect that the hundredth edition of the PEN newsletter will look fondly back on the mid 1990s and remind its readers of a time before e-mail spawned virtual corporations, of ancient boxy desktop systems that did not chat with the user or accept voice input. It will leave readers wondering how MCI Mail users lived without satellite gateways or object messaging, and will try to imagine how painfully slow 14,400 baud access was.

We estimate that we have sent out 3.75 gigibytes of information to the initial distribution list of PEN Newsletter readers in that time. We do know that the PEN Newsletter is often redistributed to other people, so there may well have been over 4 gigibytes sent in all. It just proves that good news travels.

>>>>>>>>>>>>>>
Editors Note 2
>>>>>>>>>>>>>>

A short time ago, we sent out a notice advising that the telephone number for Carol Hayes changed. In case you missed it in the last PEN Newsletter:

"The telephone number for questions about MCI Mail or your MCI Mail invoice has changed to *301-371-7460*. Don't worry.... its still Carol Hayes (MCI ID:234-9875) helping you... only the phone number has changed."

>>>>>>>>>>>>
SPRING AHEAD
>>>>>>>>>>>>

If people are asking why you are working so late, it may be because your 4:30 PM MCI Mail message was time stamped 5:30 PM. No, there is nothing wrong with the clocks at MCI... rather, you need to adjust your time zone from Standard to Daylight time

If you use MCI Mail interactively, follow this dialogue (MCI Mail Express users type ^J first to log on interactively):

Command; ACCOUNT {ENTER}

Do you wish to see your current ACCOUNT settings? NO {ENTER}
ACCOUNT setting you wish to change: TIME {ENTER}
Please enter your time zone: EDT {ENTER}
^---(or your local time zone)
ACCOUNT setting you wish to change: {ENTER}
Are settings PERManent or TEMPorary: PERM {ENTER}
New ACCOUNT settings are now in effect.

Command;

If you are an MCI Mail Express user, don't forget to change your time zone there too. From the main screen, press {CTRL}X, and them select Time Zone.

It may also help to adjust the time in your computer. See your computer manuals for more information.

>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
SENDING MAIL TO OTHER SERVICES
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>

General Discussion

Public e-mail has come a long way since the PEN was first published in 1985. At that time, you were limited to exchanging mail only with people using the e-mail service that you subscribed to. This limited the appeal of public e-mail, and forced those people who did use it to subscribe to several different services if they needed to communicate with people on the another service.

Sending e-mail can be compared to traveling in your car. If you are traveling between neighboring towns, you'll take local roads. It may be quick, or it may be slow, depending upon the amount of traffic you encounter, and the capacity of the road itself. However, for travel to more distant locations, although you may be able to take local roads, you are more likely to take the highway - a roadway designed for high speed, high volume traffic.

In a similar vein, when sending e-mail to someone, you need to know what e-mail system they are on to use the best available route there.

MCI Mail offers three forms of connectivity, allowing you to reach nearly anyone, on any of 70 different e-mail services in as many countries around the world. However, getting your message there promptly and safely requires that you take the proper road.

You can communicate with people on MCI Mail, on the Internet, and on other commercial services (X.400) such as Compuserve, IBM Mail and Easylink.

When communicating, it is helpful to keep these thoughts in mind:

Sending messages to other MCI Mail subscribers affords you the highest possible level of security, and the fastest deliver time - often under a minute. Receipts (proof of deliver) are available.

Sending messages from MCI Mail to X.400 services affords you a high level of security, and a generally prompt delivery time - often under one hour. Receipts (proof of deliver) are usually available.

However, sending messages to Internet users affords you almost no security for your message, and a delivery time that may vary from several minutes to several days. In some cases, an Internet message that is not delivered within five days is completely aborted by the Internet. It is important to remember that if you plan to exchange important business or confidential information with someone, you are best off arranging for them to use MCI Mail or another X.400 service, and not the Internet. Receipts (proof of deliver) are usually not available.

MCI Mail Addresses

When sending e-mail to other MCI Mail subscribers, addressing it to their MCI ID is sufficient to assure a prompt, secure delivery of your message. How do you know if someone is an MCI Mail subscriber? Look at their e-mail address. They are likely to either tell you their 7 digit MCI ID (999-9999), or they may give it to you in its Internet format - a 7 digit MCI ID followed by "@MCIMAIL.COM" (999-9999@MCIMAIL.COM). In either case, simply address the message to the MCI ID, and they'll have it in a minute or so. Do not try to send it using their Internet address - it

will not go through (you would not drive down the block by traveling through other towns first - would you?)

When sending to people who are not on MCI Mail, you need to determine if they are using an e-mail service that offers only Internet connectivity (America on Line, Prodigy, etc.) or if you are sending to a commercial service that offers both X.400 and Internet connectivity (AT&T; Mail, Compuserve, IBM Mail, etc.)

Internet Addresses

When sending to people on an Internet only service (America on Line or Prodigy for example), mail must be addressed to them using the standard Internet addressing format. All Internet addresses use the form of user_id@location.domain_name.

For example, you may send a message to President Clinton by addressing it to:
President@WhiteHouse.Gov
(Note:Mail can also be sent to the MCI Mail account called "White House")

Sending a message to an Internet user requires an addressing format called EMS addressing.

If you are using a generic communications program such as Procomm, Microphone, or Windows Terminal, the address would take this format:
To: Bill Clinton (EMS)
EMS: INTERNET
MBX: President@WhiteHouse.Gov

If you are using MCI Mail Express, or any of the Windows packages for MCI Mail, select EMS at the addressing screen (press F2 for MCI Mail Express), and then enter the information as you see it above [without the (EMS)]. For example:
To: Al Gore
EMS: INTERNET
MBX: Vice-President@WhiteHouse.Gov

Commercial Services (X.400)

Addressing people using commercial services such as AT&T; Mail, Compuserve, or IBM Mail requires a different addressing format called X.400.

The MCI Mail Expert Addressing mode allows you to enter all of the information on one line, seperated by slashes (/) or semicolons (;). Each part of the address consists of a letter, an equal sign, and some information.

For example:

To: Sam Smith/A=IBMX400/S=Smith/G=Sam/P=ABC Company

MCI also supports a fully prompted X.400 addressing format. To take advantage of this, log into MCI Mail in the interactive mode. At the To: prompt, type X.400 in parenthesis. For example:
To: (X.400)

You will then be prompted for all of the X.400 fields, one at a time.

To help you sort out the addressing formats required, please refer to the below table:

Addressing Table

MCI Mail subscriber:
To:999-9999
Compuserve user:
To: Sam Smith/A=Compuserve/P=CSMAIL/D=ID=user id
(note: use a period instead of a comma in the user id)
AT&T; Mail:
To: Sam Smith/A=ATTMAIL/S=Smith/G=Sam/P=company name
AT&T; EasyLink
To: Sam Smith/Western Union/D=ELN=account id
IBM Mail (IBM X400)
To: Sam Smith/A=IBMX400/P=IBMMAIL/S=Smith/... (more as needed)
INFONET
To: Sam Smith/A=INFONET/P=NOTICE/O=ABC Company
GE Quickcomm
To: Sam Smith/A=MARK400/O=QUICKCOM/S=Smith/...(more as needed)
Sprint Mail
To: Sam Smith/A=Telemail/D=UN=sprint id
DialComm
To: Sam Smith/A=DIALCOMM/O=org./D=SYS=999/D=UFD=user id#
Internet user:
To: Sam Smith (EMS)
EMS:Internet
MBX: SSMITH@YYY.ZZZ

Exchanging E-Mail Addresses

Unfortunately, some e-mail services do not educate their users about proper e-mail addressing formats. As a result, you may find that your correspondent only knows their user id, or their Internet address. If they are on a commercial system, you will not be able to send mail via their Internet address. Best bet is to tell them *your* X.400 address.

What is your X.400 address?
To: {your name};A=MCI;S={your last name};D=ID={your MCI ID}
For example:
To: Sam Smith;A=MCI;S=Smith;D=ID=999-9999

Once they send you a completed test message, you will see their

X.400 address in the envelope, and you can then reply to it.

>>>>>>>>>>>>>>
ACCESS CHANGES
>>>>>>>>>>>>>>

MCI Mail recently upgraded the systems used by subscribers to access MCI Mail via Infonet, Tymnet, Datapac or foreign PTTs.

As a result, the log-on sequence, has been altered slightly. Instead of seeing "Port: 21" or "Port: 22" at logon time, the system now displays "DG21AG" or "DG22AG".

If your access software looks for "Port:", your software script may need a slight alteration.

Global Access users with the Lotus Express software may encounter problems with the logon process if your connection string terminates in "@m". The solution is to replace the "@m" with a "~|".

Old string: @d~~~~~~~~|~~|~~|~~C~|MCI,MAIL|@m
New string: @d~~~~~~~~|~~|~~|~~C~|MCI,MAIL|~|

Please note that this affects users of Lotus Express only. It does not impact users of MCI Mail Express or MCI Mail Express LITE.

Canadian users need to make a similar change. The connection string that has been in use for Datapac looks for the word "Port:". The connection string needs to have all references to "Port:" changed to "name:".

The strings are:

Old strings:
(X.PC) @d..|{PAC}~PROF 3|~13106|{in:}~MCIXPC|{Port}|
(non-X.PC) @d..|{PAC}~PROF 3|~13106|{in:}~MCIMAILUSA|{Port}|

New strings:
(X.PC) @d..|{PAC}|~13106|{in:}~MCIXPC|{name}|
(non-X.PC) @d..|{PAC}~13106|{in:}~MCIMAILUSA|{name}|

Note that the "~PROF 3|" has also been removed. This turned on a Datapac setting which is no longer available.

>>
COMPUTING NEWSLETTER NOW AVAILABLE VIA MCI MAIL
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INTELLIGENCE - The Future of Computing, published since 1984, which focuses on commercial and research developments in advanced computing, is now available for delivery right to your MCI Mailbox. Coverage includes neural networks issues (begun in our first issue and continues in present), along with other biologically-based computing techniques like: genetic algorithms, chaos, fractals,

fuzzy systems, entropy encoding, rough sets and wavelets. Each issue contains a feature on Insight & Analysis, assessing an important current computing trend. Two monthly columns cover The Net (the Global Information Infrastructure) and Nano (molecular computing and other atomic-scale technologies). To learn more about subscribing, please send an MCI Mail message to MCI ID:684-3887.

>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
SITA AIRLINE MESSAGING NETWORK
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>

MCI Mail has announced a new X.400 connection to SITAMAIL - the messaging service operated by Societe Internationale de Telecommunications Aeronautiques (the SITA Group).

The SITA Group operates the world's largest global data communications network, serving airline, and air transport related customers in over 210 countries. Its current membership includes travel organizations, airport authorities, and aircraft manufacturers.

This is the first time that SITA has permitted a public messaging service operator like MCI to interconnect with their private messaging network;

Note: All SITAMAIL users are registered with the X.400 country code of "WW" - for worldwide.

>>>>>>>>>
POWERUSER
>>>>>>>>>

When you want to exchange binary files with someone on the Internet, it is important that the Internet user follow these steps:

1. The Internet user must first UUENCODE the binary file. UUENCODE is a software utility that translates a binary file into a uuencoded (ASCII data) file.

2. Edit the UUENCODED file using the senders file editor. There are are variety of editors available in UNIX environments. VI is one such editor; PICO is another.

3. During the editing process, the sender must enter the MCI required segment identifiers. Before the first line of the uuencoded segment, enter, at the leftmost justified line position [use all capital letters followed by a colon (:)]

//BEGIN BINARY MAIL SEGMENT:

Go to the end of the uuencoded file segment, and after the word "end" press return and enter, at the leftmost justified line position [using all capital letters]:

//END BINARY MAIL SEGMENT

4. If they want to enter any additional message text to be included when sending the binary file, enter it before the //BEGIN... segment identifier.

5. Exit from the editor and save the edited, UUENCODED file.

6. Send the edited, UUENCODED file with the mail message.

EXAMPLE OF ADDRESSING THE MESSAGE FROM THE INTERNET:
(note spacing and case sensitivity)

% mail -s "enter subject here"userid@mcimail.com>>>>>>>>>>>>>
TILL NEXT TIME
>>>>>>>>>>>>>

Its Spring.

Take a moment to enjoy the flowers.

Gary.......
MCI Mail Agency NY4
MCI ID# 218-0241
Fax: 212-787-2416
Telex: 6502180241
Tel No. 212-724-9785

ps... MCI, MCI Mail, Lotus Express, and MCI Mail Express are proprietary marks of MCI Communications Corporation

Gary Oppenheimer	Sales Office	212-724-9785	MCI ID:218-0241	
Carol Hayes	Customer Support	301-371-7460	MCI ID:234-9875	
MCI Mail NY4	Fax Number	212-787-2416		
New account registration fax number		800-I-WANT-MCI		